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Auxiliary Systems

Bridge nodes

DRAFT

This article is being reviewed for completeness and technical accuracy.

Currently, the Pleiades Lustre filesystems are not mounted on Lou. File transfers between Pleiades and Lou are normally done with remote file transfer commands such as scp, bbftp and bbscp.

Using the Pleiades bridge nodes, one can actually transfer files between Pleiades' home or Lustre filesystems and Lou's home filesystem through Columbia's CXFS filesystems.

In the example below, on bridge1, the file *foo* is copied from a user's Pleiades Lustre /nobackup filesystem to his Columbia CXFS filesystem under /nobackup2a. Then, on Lou, the same file is copied from /nobackup2a to user's Lou home filesystem.

```
bridge1% cp /nobackup/username/foo /nobackup2a/username
```

```
lou1% cp /nobackup2a/username/foo /u/username
```